SONY

Radio Cassette-Corder

Operating Instructions

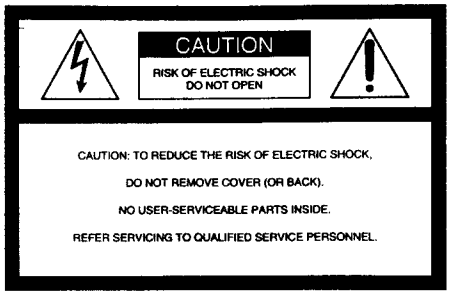
CFS-W338

©1996 by Sony Corporation
Printed in China

3-856-628-71(1)

WARNING

To prevent fire or shock hazard, do not expose the player to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For customers in Canada

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Owner's Record

The model number is located on the bottom, and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. CFS-W338 Serial No. _____

Precautions

On safety/power sources

- Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.
- For AC operation, use the supplied AC power cord; do not use any other type.
- The player is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the player itself has been turned off.
- For battery operation, use six size D (R20) batteries.
- When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, power consumption, etc. is located on the bottom.

On placement/operation

- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and to prolong the life of its components.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette

If you have questions or problems concerning your player, please consult your nearest Sony dealer.

Troubleshooting

There is no audio.

- Connect the AC power cord securely.
- Insert the batteries properly.
- Replace all the batteries if they are weak.
- Unplug the headphones.
- Adjust the volume.
- Set FUNCTION to the position you want to operate.

Cassette cannot be inserted.

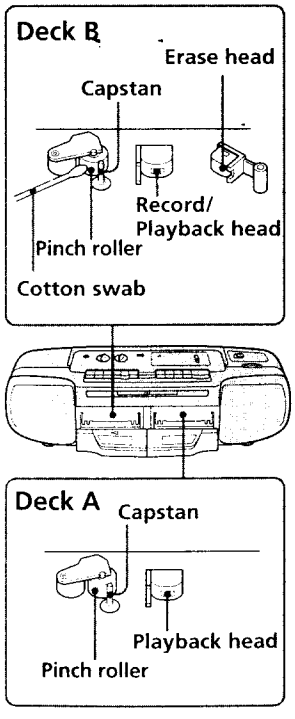
Insert the cassette properly.

The ● REC button does not function.

- No cassette is in deck B.
- Make sure the safety tab on the cassette is in place.

Poor playback, recording or erasing quality.

- Dirty heads. Clean the unit (as shown) with a cotton swab slightly moistened with cleaning fluid or alcohol.
- Demagnetize the heads and all metal parts in the tape path with a commercially available tape head demagnetizer.



Specifications

AUDIO POWER SPECIFICATIONS

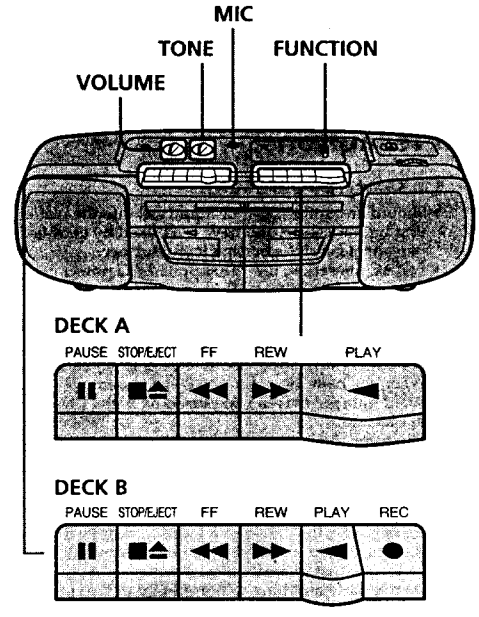
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

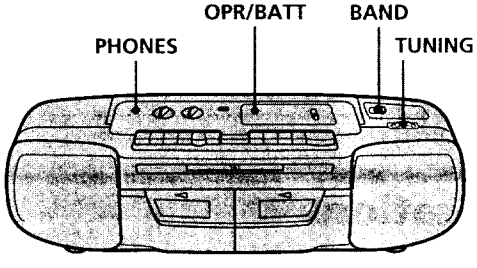
With 3.2ohm loads, both channels driven, from 150–10,000Hz; rated 1.5 watts per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

- **Frequency range**
  FM: 87.6–108MHz
  AM: 530–1,710kHz
- **Antennas** FM: Telescope/AM: Built-in ferrite bar
- **Recording system** 4-track, 2-channel stereo
- **Frequency response** 80–10,000Hz
- **Speakers** Fullrange: 10cm (4inches) dia., cone type
- **Output** Headphones jack(stereo minijack), for 16–32 ohms impedance headphones
- **Power output (excluding the USA model)**
  2.3W+2.3W (at 10% harmonic distortion in DC operation)
- **Battery life**
  FM Recording: Sony R20P: Approx. 12 hours/Sony LR20 alkaline: Approx. 24 hours
  Playback: R20P: Approx. 7 hours/Sony LR20 alkaline: Approx. 12 hours
- **Power requirements**
  Australian model: 230–240 V AC, 50Hz/Other models: 120 V AC, 60Hz
  9V DC, six size D (R20) batteries
- **Power consumption**
  AC 14W
- **Dimensions** Approx. 540 x 159 x 163 mm (w/h/d) (21⅜ x 6⅜ x 6½ inches) incl. projecting parts and controls, not incl. handle
- **Mass** Approx. 3.5kg (7 lb 11 oz) incl. batteries
- **Supplied accessory**
  AC power cord (1)

Design and specifications are subject to change without notice.

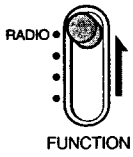
Location of controls





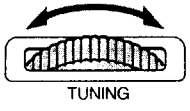
Listening to the radio

1 Set FUNCTION to RADIO.



2 Set BAND to FM or AM.

3 Tune to the station you want.

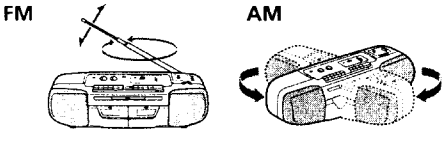


To turn off the radio

Set FUNCTION to TAPE/RADIO OFF.

To improve broadcast reception

Reorient the antenna for FM. Reorient the player itself for AM.



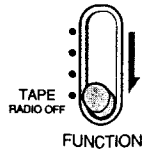
Tips

- To listen through the headphones, connect the headphones to PHONES.
- For best results, move the player away the TV.

Use TYPE I (normal) tape only.

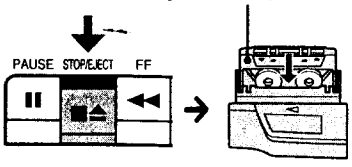
Playing a tape

1 Set FUNCTION to TAPE /RADIO OFF.

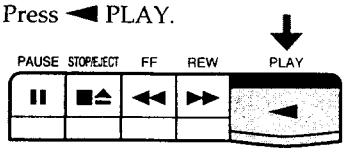


2 Insert a recorded tape into deck A or B

With the side you want to play on facing forward.



3 Press ◄ PLAY.



To	Press
Stop playback	■⏏
Fast-forward or rewind the tape	◄◄ or ►► For the side facing forward.
Pause playback	❚❚ Press this button again to resume playback .

Tip

When you play both decks, you will only hear deck B.

Note

Do not press ◄◄, ►► or ◄ on the other deck during playback as this causes excessive wow and flutter.

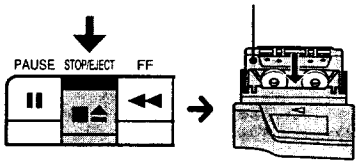
Use TYPE I (normal) tape only.

Recording (deck B)

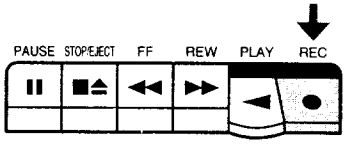
1 **To record from the radio**
Tune to the station you want.
To record from the built-in microphone
Set FUNCTION to TAPE/RADIO OFF.

2 Insert a blank tape into deck B.

With the side you want to record on facing forward.



3 Press ● REC on deck B.



To	Press
Stop recording	■⏏ When the tape ends, the recording stops.
Pause recording	❚❚ Press this button again to resume recording.

Tips

- For best results, use the AC power source.
- Adjusting the volume or the tone wiil not affect the recording level.

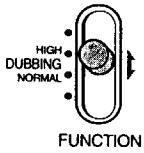
Note

- While recording from the built-in microphone, you cannot monitor the sound through the headphones.
- Do not press ◄◄, ►► or ◄ on deck A during recording as this causes excessive wow and flutter.

Use TYPE I (normal) tape only.

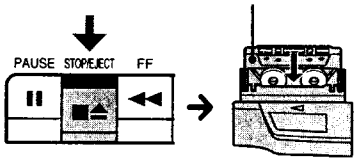
Dubbing (deck A to B)

1 **To dub at high speed**
Set FUNCTION to DUBBING•HIGH.
To dub at normal speed
Set FUNCTION to DUBBING•NORMAL.

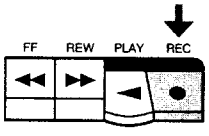


2 Insert a recorded tape into deck A, and a blank tape into deck B.

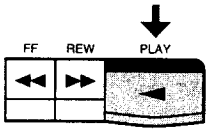
With the side you want to record on facing forward.



3 Press ● REC on deck B.



4 Press ◄ PLAY on deck A.



To stop dubbing

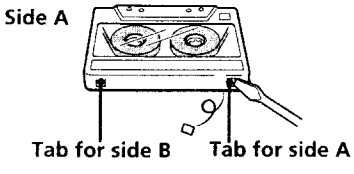
Press ■⏏ on deck A and B.

Tips

- For best results, use the mains lead.
- Do not set the FUNCTION during dubbing as this causes excessive wow and flutter.
- Adjusting the volume will not affect the recording level.
- When the tape in deck A ends first, deck B will also stop recording. When the tape in deck B ends first, deck A will contiune to play.

Notes on cassettes

- Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.

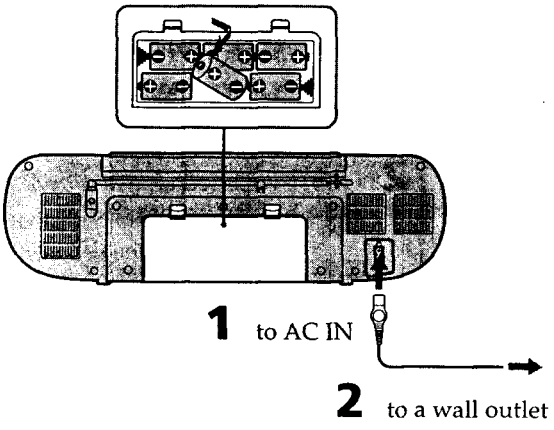


- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Choosing Power Sources

To use the player on AC power source

Connect the supplied AC power cord to the AC IN jack.



To use the player on batteries

Insert six R20 (size D) batteries (not supplied) into the battery compartment.

Notes

- To use the player on batteries, disconnect the AC power cord from the player.
- Replace the batteries when the OPR/BATT indicator dims or when the player stops operating. Replace all the batteries with new ones.